



Educator Resource Center

SPRING 2012

Workshop Schedule



ERC

National Aeronautics and Space Administration

John C. Stennis Space Center

Educator Resource Center

Building 3101

Stennis Space Center, MS 39529-6000

John C. Stennis Spring 2012 Educator Workshops

Beginning Engineering **Thursday, February 23, 2012**

CEUs: 0.5
Grades: K-8

Help your students become one of NASA's BEST (Beginning Engineering, Science and Technology) engineers! This one-day workshop will cover the Engineering Design Process and demonstrate that engineering is not such a scary subject after all. The concepts behind engineering will come to life for teachers and help them engage students using real world NASA problems and solutions. This workshop is centered on hands-on activities that will cover a wide range of STEM (Science, Technology, Engineering and Mathematics) concepts and can be used with a variety of subjects beyond engineering.

Spring Into Science **Saturday, March 24, 2012**

CEUs: 0.5
Grades: K-6

Can science be spectacular? Can physics be fun? Does matter ... matter? This workshop will include numerous hands-on activities that will cover a broad range of basic scientific experiments from matter to energy. We will use everyday substances like water and air to help explain these scientific principles. The goal of this workshop is to provide scientific activities and ideas that will help you teach your students that science is spectacular, physics can be fun and matter does matter!

Fill Your Head With Space **Wednesday, April 25, 2012**

CEUs: 0.5
Grades: 4-12

NASA has been exploring Earth and the universe around us for over fifty years. Each one of those missions, explorations and discoveries began in a classroom. Using NASA curriculum resources, hands-on activities and on-line technologies, we will explore some of those past missions, those planned for the future, and how educators play an integral and vital role in that success. Come "fill your head with space" and enjoy this exciting, out-of-this-world workshop.



GLOBE Workshops

GLOBE (Global Learning and Observations to Benefit the Environment) is a worldwide hands-on school-based education and science program.

For students, GLOBE provides the opportunity to learn by taking scientifically valid measurements in the fields of land cover/biology, atmosphere/climate, hydrology and soil.

During GLOBE training, educators will learn precise methods of collecting measurements. Educators will then engage students to collect their own data from sites at or near their schools and submit it over the Internet.

Using the interactive GLOBE Web site, students can create maps and graphs, analyze data sets and collaborate with scientists and GLOBE students in 100 countries around the world.

GLOBE Hydrology **Tuesday, March 3, 2012**

CEUs: 0.5
Grades: 3-12

What is the condition of the Earth's streams, rivers, lakes and coastal waters? Through investigations using the GLOBE hydrology protocols, you and your students will learn to measure reliable data on current conditions of surface water in your area. Using the skills learned in this GLOBE workshop, you will improve your understanding of the health of Earth's natural waters.

GLOBE Atmosphere **Saturday, April 28, 2012**

CEUs: 0.5
Grades: 3-12

Scientists around the world are studying the weather through GLOBE and your students can help! Participants will learn how to take the atmospheric measurements needed to better comprehend our planet's climate changes. The measurements you and your students make through the GLOBE atmosphere program will go a long way in helping everyone understand more about the world's weather.

TO REGISTER:

Visit the GLOBE Web site at <http://classic.globe.gov>. Under the "For Teachers" dropdown menu, click on "Workshop Registration," then scroll down and select the workshops listed for Stennis Space Center.

Stennis Space Center ERC Location and Hours

The NASA Educator Resource Center (ERC) at Stennis Space Center is located in building 3101, next to the guard station on Mississippi Route 607 at the south entrance to Stennis. The ERC is open from 9-3 Monday-Friday for educators to pick up NASA materials. Most

ERC workshops are also held at this location.

Educators arriving from the south can attend these workshop sessions or pick up ERC materials without going through security clearance.

To reach the center, educators from the

south (I-10) should take Exit 2 and go north on Hwy. 607. Educators entering from the north (I-59) should take Exit 1 to Hwy. 607 south. Educators coming from the north will need to stop at the North Gate entrance and obtain a visitor's badge.

Stennis Space Center Spring Workshop Schedule 2012

February 2012

| TUE | WED | THU | FRI | SAT |
|-----|-----|-------------------------------------|-----|-----|
| | 1 | 2 | 3 | 4 |
| | | | | |
| 7 | 8 | 9 | 10 | 11 |
| | | | | |
| 14 | 15 | 16 | 17 | 18 |
| | | | | |
| 21 | 22 | 23 | 24 | 25 |
| | | Beginning Engineering (K - 8) | | |

March 2012

| TUE | WED | THU | FRI | SAT |
|-----|-----|-----|-----|-----------------------------------|
| | | 1 | 2 | 3 |
| | | | | GLOBE: Hydrology (3-12) |
| 6 | 7 | 8 | 9 | 10 |
| | | | | |
| 13 | 14 | 15 | 16 | 17 |
| | | | | |
| 20 | 21 | 22 | 23 | 24 |
| | | | | Spring into Science (K - 6) |

April 2012

| TUE | WED | THU | Fri | SAT |
|-----|--|-----|-----|---------------------------------|
| 3 | 4 | 5 | 6 | 7 |
| | | | | |
| 10 | 11 | 12 | 13 | 14 |
| | | | | |
| 17 | 18 | 19 | 20 | 21 |
| | | | | |
| 24 | 25 | 26 | 27 | 28 |
| | Fill Your Head With Space (4 - 12) | | | GLOBE Atmosphere (3 - 12) |

FIRST Robotics Competition In Kenner, LA, March 16-17, 2012

Admission is FREE!

Robots can vacuum your carpet, perform surgery, build automobiles and explore the surface of Mars.

But what can robots built by local high school students do?

See robots in action performing amazing feats of skill in a sports-like atmosphere and cheer for the robotics teams.

NASA will sponsor a FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition Regional event at the Pontchartrain Convention and Civic Center in Kenner, Louisiana, Friday, March 16, and Saturday, March 17, 2011.

This is a wonderful opportunity for your students to see technology and innovation at work.

The robots are built and driven by local students.

In addition to competition, FIRST emphasizes "gracious professionalism" and teamwork.

For more information call 228-688-1378 or go to www.usfirst.org or www.bayouregional.info.



It's time to register for free educator workshops at Stennis Space Center



How to Register for Free Workshops At John C. Stennis Space Center

To make reservations, call the NASA Educator Resource Center at 800-237-1821 and select option 2, or call 228-688-3338. Please call between 7 a.m. and 3 p.m. Monday through Friday. Unless otherwise noted, all 0.5 CEU workshops will be held 8:30 a.m. - 2:00 p.m. National and state education standards will be addressed in science, technology, engineering, mathematics and geography in the workshops. For more information, e-mail SSC-nasaERC@mail.nasa.gov.

Notes on Stennis Space Center Educator Resource Center Workshops

Stennis Space Center ERC personnel consistently strive to ensure as many teachers as possible have access to SSC educator workshops. In order to maximize attendance at all workshops and events, please note the adjustments made to our registration procedures: Teachers may register for no more than three (3) workshops per semester and may only make registrations for themselves. If a participant is unable to attend a workshop, he or she must call the ERC at 228-688-3338 as soon as possible. Failure to notify the ERC of a registration cancellation will affect a registrant's ability to participate in future workshops and programs.

For security purposes, you may be required to check in

at either the north or south reception center upon arrival at Stennis Space Center. A valid photo ID is required. Please allow sufficient time for this process when you arrive.

CEU Information

Mississippi and Louisiana educators are able to renew their teaching certificates with CEU credits from approved workshops. Unless otherwise noted, educators will receive 0.5 CEU credits for each 5-hour workshop conducted on-site. You must be present for the full workshop to earn CEU credit. The ERC maintains all CEU records. The ERC issues a certificate of attendance when the educator completes a 5-hour workshop. This certificate, along with any other CEU documentation, should be mailed by the teacher to the State Department of Education at the time of renewal. To obtain a copy of your CEU credits, a written request must be sent to the ERC.

Safety Regulation

Please note that the use of hand-held communication devices (cell phones, two-way radios, etc.) is prohibited while driving on-site at Stennis Space Center.